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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Col	mplete if Known	
Application Number	10/625,915	
Filing Date	July 23, 2003	
First Named Inventor	Andrew W. Phelps	
Art Unit	1742	
Examiner Name	11013 Chena	
Attorney Docket Number	LIVE COOL LAWED OCC	

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (I known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
196		US- 5,226,956	07/13/1993	Askew et al.	
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	FORE	IGN PATENT DOCU	MENTS		
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				Application Number	10/625,015		
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	TATEMENT BY			First Named Inventor	Andrew W. Phelps		
				Art Unit	1942		
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Sheet]	of	5	Attorney Docket Number	UVD 0280 IA		

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
OB		US- 2003/0027011 A1	02/06/2003	Kotov et al.	
$\mathscr{U}\!$		US- 2003/0024432 A1	02/06/2003	Chung et al.	
No		^{US-} 2003/0019391 A1	01/30/2003	Kendig	
ess		^{US-} 2002/0110642 A1	08/15/2002	Jaworowski et al.	
OB		^{US-} 2002/0096230 A1	07/25/2002	Hardin et al.	
US		US- 2002/0084002 A1	07/04/2002	Hardin et al.	
es		^{US-} 2002/0033208 A1	03/21/2002	Krishnaswamy, Jr.	
ly		^{US-} 2002/0003093 A1	01/10/2002	Dull et al.	
des		US- 2001/0018965 A1	09/06/2001	Matsukawa et al.	
eth		^{US-} 6,503,565 B1	01/07/2003	Hughes et al.	
ell		^{US-} 6,500,276 B1	12/31/2002	Minevski et al.	
Sign		^{US-} 6,451,443 B1	09/17/2002	Daech	
ev		^{US-} 6,406,562 B1	06/18/2002	Lu et al.	
, Jul		^{US-} 6,395,106 B1	05/28/2002	Minevski et al.	
John .		US- 6,338,876 B1	01/15/2002	lshii et al.	
<i>Y</i> 75		US- 6,312,812 B1	11/06/2001	Hauser et al.	
P		^{US-} 6,287,704 B1	09/11/2001	Preikschat et al.	
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	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document		Publication Date	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.'	Country Code ³ Number ⁴ Kind Code ⁵ (# known)		MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T°			
35		EP 0 905 279 A1	V	03/31/1989	Sermatech International					
Q/		EP 0 902 103 A1	V	03/17/1999	Nippon Steel					
ess		EP 0 839 931 A2	V	05/06/1998	Nihon Hyomen Kagaku					
Ø		EP 0 792 922 A1	V	09/03/1997	The Boeing Company	······································				
L.		EP 0 411 609 A2		02/06/1991	Nippon Paint Co., Ltd.					

Examiner Signature	di coppositione	Date Considered	1/6	05	

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Translation is attached.

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			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F tro-m)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
dep		^{US-} 6,248,184 B1	06/19/2001	Dull et al.	
ei		^{US-} 6,206,982 B1	03/27/2001	Hughes et al.	
		^{US-} 6,200,672 B1	03/13/2001	Tadokoro et al.	
		^{US-} 6,190,780 B1	02/20/2001	Shoji et al.	
		^{US-} 6,033,677	03/07/2000	Cabane et al.	
		US- 6,022,425	02/08/2000	Nelson et al.	
$\perp L$		US- 5,964,928	10/12/1999	Tomlinson	
		US- 5,932,083	08/03/1999	Stoffer et al.	
T_{-}		US- 5,922,330	07/13/1999	Chane-Ching et al.	
		US- 5,756,218	05/26/1998	Buchheit et al.	
		US- 5,733,361	03/31/1998	Chane-Ching et al.	
		US- 5,635,084	06/03/1997	Mansfeld et al.	
		US- 5,582,654	12/10/1996	Mansfeld et al.	
		^{US-} 5,362,335	11/08/1994	Rungta	
		us- 5,356,492	10/18/1994	Miller	
		US- 5,221,371	06/22/1993	Miller	
		^{US-} 5,194,138	03/16/1993	Mansfeld et al.	
V		US- 5,192,374	03/09/1993	Kindler	

	FOREIGN PATENT DOCUMENTS									
Examiner		Foreign Patent Document		Publication Date	Name of Patentee or	Pages, Columns, Lines,				
Initials* No.*	Country Code ³ Number ⁴ Kind Code ⁵ (# known)		MM-DD-YYYY	Applicant of Cited Document	ment Where Relevant Passages or Relevant Figures Appear	To				
lls		EP 0 337 075	V	10/18/1989	Nippon Paint Co., Ltd.					
		GB 2 259 920 A		03/31/1993	Gibson Chemicals					
		GB 1 241 982	1	08/11/1971	Crane Limited					
		GB 2 241 963 A	V,	09/18/1991	Henkel Corporation		П			
1		GB 1238 206	7	07/07/1971	Shipley Company, Inc.					

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FOREIGN PATENT DOCUMENTS										
Examiner		Foreign Patent Document		Publication Date	Name of Patentee or	Pages, Columns, Lines,				
Initials* No.	Country Code ³ Number ⁴ Kind Code ⁵ (# known)		MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Ľ				
00		WO 01/55029 A1	J	08/02/2001	Rhodia Terres Rares		Γ			
		WO 01/46495 A2	√,	06/28/2001	PPG Industires, Ohio					
		WO 01/38225 A1	J	05/31/2001	Rhodia Terres Rares					
ΔZ		WO 01/36331 A1	V	05/25/2001	Rhodia Terres Rares					
		WO 01/06035 A1	7	01/25/2001	Henkel Kommanditgese		Г			

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U. S. PATENT DOCUMENTS								
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U		WO 00/36176	V	06/22/2000	Lynntech, Inc.					
lis		WO 96/26255	V,	08/29/1996	Rhone-Poulenc Chimie					
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	Substitute for	form 1449B/PTO				Complete if Known
					Application Number	10/625,015
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	STAT	EMENT BY	APPLI	CANT	First Named Inventor	Andrew W. Phelps
					Art Unit	1742
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く	Sheet	5	of	5	Attorney Docket Number	UVD 0280 IA

NON PATENT LITERATURE DOCUMENTS								
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.								
es		Abstract: SARMAITIS ET AL., Aqueous solution for the passivation of zinc, in Chemical Abstracts, Vol. 86: 125765k, 1977, p. 278	1					
28		Abstract: Japan Kokai 76 05,341, SUNAMORI ET AL., Anticorrosive coatings, in Chemical Abstracts Vol. 84: 123610r, 1976, p. 100	1					
ly		Publication: Serial No. 432,610, AGARWALA ET AL., ENVIRONMENTAL CRACK ARRESTMENT COMPOSITION, 10/4/82, pp. 1-5	V					
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